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SWEET PEA TALKS

A Practical Treatise
On How Sweet Peas Should
Really Be Grown

February Offer



The Home Of Heather

KNIGHT & STRUCK COMPANY

PLANTSMEN—SEEDSMEN

TWO FIFTY EIGHT FIFTH AVENUE
NEW YORK CITY

Knight & Struck Company

HEATHERHOME SWEET PEAS

The Twentieth Century Method of Growing Sweet Peas

Very few of the American seedsmen have ever attempted to enlighten the American gardener in this up-to-date method of culture, and those who have done so have never told the full truth.

For Early Blooms. Sow three seeds into a small pot of soil in the house about March 1st. If all three seeds germinate, pull out the two weakest specimens and retain the strongest.* As soon as the second set of leaves have formed, plunge the young plants with the pots in a cold frame protected by sash, where they can be hardened off. Lift the sash during the sunny hours of the day and water carefully. Set the plants out in the open about April 15th, and space them 6 inches apart in the row.

Two ounces of seed will be sufficient to plant a single row of 100 feet.

We want our readers to be impressed with the above statement, for it is the first time that such a recommendation is made by a seed firm. Observe that the usual recommendation is one pound for the same space.

General Culture

The ground where Sweet Peas are to be grown should be well prepared—if possible, the fall previous. Deep spading or plowing is very essential for the roots love to penetrate into the cooler regions of the soil. Manure placed very deep will help to draw the roots downward. Sweet Peas love sun, therefore they should always be planted where they are exposed to the sun all day.

Sow Seeds Early. Sweet Peas will produce their strongest roots during the cool moist months of the spring, so that the sowing should take place as soon as the land can be worked. A little frost will do no harm to Sweet Peas. The old-fashioned method of sowing seeds in a trench 8 inches deep and to cover them later, is obsolete. After the soil has been carefully smoothed and raked, draw a line for a straight row and sow three seeds every 6 inches in the row. Do not cover the seed more than with $\frac{1}{2}$ inch of soil, and if more than one plant should appear in each spot, carefully destroy all but one specimen so that one plant shows every 6 inches in the row.

Two ounces of seed is sufficient to sow a single row of 100 feet.

Sweet Peas grown thus will produce stems and foliage of unusual strength and vigor, and as each plant branches freely from the bottom, the entire row will soon be a mass of foliage, more dense even than under the old-fashioned method of sowing thick.

Other up-to-date dealers will suggest that you sow thick and afterward thin out, but it is utterly impossible to do this satisfactorily, and it constitutes an extravagant waste of seeds, and consequently a waste of money. The flowers pro-

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duced from plants grown as suggested by us are fit for the queen's garden, and will be a revelation to all who try this up-to-date method.

Notwithstanding the smaller number of plants existing in a row, when our suggestion is followed, we can positively assure our patrons that they will be able to pick more flowers.

Watering. Sweet Peas must be constantly supplied with moisture to do well, and we suggest the following: On either side of the row of Sweet Peas (6 inches away from the plant) dig a trench 6 inches deep and fill same with well-decayed stable manure. Let the hose run into these trenches long enough to fill them up completely at least once a day and your Sweet Peas will never suffer.

Most of our seeds were grown in the cool regions of Northern England, and plants grown from these seeds are sturdier and more robust.

"Heatherhome Quality" in our Sweet Peas is even prevalent in our seeds, for after we receive them, we carefully re-select them for plumpness, size and soundness, and we discard thereby fully one-half of the seeds we receive.

NEW SWEET PEAS FOR 1917

Every enthusiast of Sweet Peas must welcome our offer for this year, for it is the most complete and thorough of any in the world, and we dare say that it is the most critically selected.

We might possibly have offered more varieties, but none more worthy than what we do offer.

5027. —Annie Bownass. The flowers are of large size borne four to a stem and beautifully placed. The color of both standard and wings is a deep pure pink, flushed salmon, showing a large white zone at the base of the standardPkt., 12 seeds, \$.35
5067. —Beryl. A very charming variety of a rich salmon pink color shaded buff. The plant is of robust growth producing freely long strong flower sprays, carrying four immense flowers.....Pkt., 12 seeds, \$.35
5095. —Charity. Color rich brilliant crimson. Fine bold standard, very vigorous, giving plenty four-flowered sprays. We do not hesitate to say that this is the finest crimson now in existence.....Pkt., 10 seeds, \$.50
5117. —Cherub (Burpee's). This is much more beautiful than any picotee-edged Sweet Pea hitherto known. The ground color is a deep creamy buff, or rich cream, charmingly edged with bright rose. The vines are of extra strong growth, bearing the gigantic flowers profusely on the ends of long stems, generally in threes with a good proportion of fours.
Pkt., 15 seeds, \$.25
5226. —Faith. Color pure lavender. Very vigorous, giving practically all four flowered sprays, displayed very erect on the plant. Quite distinct and a good advance in color.....Pkt., 10 seeds, \$.35

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5274. —Hope. Color clear soft rose, wonderfully free and vigorous. A very bright PeaPkt., 10 seeds, \$.35
5276. —Ian Hamilton. Brilliant scarlet cerise, sunproof, fine bold upright standard nicely waved. Its color quite glows in the sun. Vigorous growth and free flowering.....Pkt., 12 seeds, \$.35
5302. —John Porter. The plant is of a vigorous and branching habit very floriferous, every plant producing four flowered long stemmed sprays in great profusion. The standard is a very rich orange shade, and the wings salmon rosePkt., 12 seeds, \$.35
5297. —J. B. Lowe. Bold orange-crimson standard of the largest size, well frilled, wings white flushed with the palest pink. One of the largest Peas extant, extremely vigorous grower and remarkable free-flowering, rarely bearing less than four well-placed blooms to a stem. A most dainty flower, exquisitely scented, very telling in the garden or the bunch, and invaluable for the exhibition table.....Pkt., 12 seeds, \$.35
5318. —Lady Fisher. A most pleasing shade of blush pink on a cream ground. Flower of fine form and excellent for exhibition.....Pkt., 10 seeds, \$.35
5426. —Mrs. E. S. McEuen. Deep rose pink on cream ground, very vigorous growth, and throws an abundance of fours without being at all coarse; quite an exhibition variety.....Pkt., 15 seeds, \$.25
5548. —Phantom Blue (Burpee's). This is an outstanding pea of remarkable beauty. We have called it "Phantom Blue" from its unusual color, which is an opalescent blue marvelously blended with a tinge of delicate purple, giving the entire flower a delightful pastel, or "art" shade of blue. The rich tone of blue is unmistakable yet at times it appears most elusive. The flowers are well placed, almost invariably in fours on long, stiff stems. The rich tone of blues comes up beautifully in water, while the vigorous plants in full bloom seem like a sheet of iridescent blue.
Pkt., 12 seeds, \$.35
5323. —Lady Rosa. A giant bicolor having a brilliant rose pink, standard and pale pink wings on a cream ground, a grand flower with four flowers to a stemPkt., 10 seeds, \$.35
5396. —Mrs. C. Shaw. Fine pure lavender. A color which comes very rich when cut and put in water. Prolific bloomer, and throws nearly all four flowered sprays. Quite distinct growth.....Pkt., 20 seeds, \$.35
5561. —Princess Henry of Battenberg. Large rosy lavender of exceptional strength carrying nearly all four flowers, well placed on long stout stems and beautifully frilled. Pronounced by all who have seen it to be the finest variety of this class for exhibition and decoration.
Pkt., 12 seeds, \$.50

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5576. —“Red Isobel.” This new Sweet Pea is a seedling from “Isobel Malcolm” “X Red Star.” It has the vigor of the former, and its characteristic four-stemmed sprays, while the color is strikingly brilliant, and absolutely sunproofPkt., 12 seeds, \$.50
5561. —Verdun. The standard is a pure rose crimson, while the wings are deep rose. The plant is extremely vigorous and four-bloom sprays are abundant. An excellent variety for exhibition.....Pkt., 12 seeds, \$.50

HEATHERHOME'S SWEET PEAS

Complete List of Up-to-date Varieties

We offer under the above title the finest blending of the newer form of Sweet Peas that has ever been offered in America. One hundred and twenty distinct varieties, all of them new and meritorious, have been grown separate and their seeds in equal quantities mixed for this offer. Furthermore, the seeds for this mixture have been grown in one of the choicest regions in England, where the plants and flowers come to their highest state of perfection. Such seeds must produce much better results than those harvested in California. We are confident in asserting that the quality of “Heatherhome Beauties” has never been approached. Two ounces are sufficient to sow a single row of 100 feet; 4 ounces are sufficient to sow a double row of 100 feet.

5000. Heatherhome Beauties.....Oz., \$.25; 4 oz., \$.85; lb., \$3.00
Packets contain 50 seeds unless otherwise specified
- §5020. — — Agricola. A pleasing shade of blush, suffused rosy lilac (R Thulite Pink, suffused White).....Pkt., \$.15; oz., \$.75
- §5025. — — Annie Sculphur. Salmon cerise.....Pkt. (10 seeds), \$.25
5027. — — Annie Bownass (New 1917). Pink Flushed Salmon.
Pkt. (12 seeds), \$.35
- §5040. — — Asta Ohn. Charming soft lavender (R Lilac).
Pkt., \$.10; oz., \$.50
- §5060. — — Barbara. Glowing orange salmon, one of the finest cloors (R Light Coral Red).....Pkt. (25 seeds), \$.15; oz., \$1.00
5067. — — Beryl (New 1917). Rich salmon pink, shaded buff.
Pkt. (12 seeds), \$.35
- §5071. — — Blue Gem. Clear mid blue.....Pkt. (12 seeds), \$.15
- §5077. — — Brooklands Queens. Pale salmon.....Pkt. (10 seeds), \$.25
Pkt. (10 seeds), \$.25
5095. — — Charity (New 1917). Brilliant Crimson.....Pkt. (10 seeds), \$.50
- §5115. — — Cheerful. Rich apricot pink.....Pkt. (12 seeds), \$.50
5117. — — Cherub (New 1917). Cream, buff edged with bright rose.
Pkt. (15 seeds), \$.25

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- §5120. — Clara Curtis. Light primrose yellow.....Pkt., \$.10; oz., \$.50
- §5130. — Colleen. The best of Blanche Ferry colorings.
Pkt., \$.10; oz., \$.75
- §5135. — Constance Hinton. The finest, largest and best pure white.
Pkt. (15 seeds), \$.25
- §5150. — Countess Spencer. Silvery, delicate pink (R Deep-rose Pink, suffused White)Pkt., \$.10; oz., \$.50
- §5160. — Dainty Spencer. White-edged pink.....Pkt., \$.10; oz., \$.50
- §5170. — Dobbie's Cream. The finest of all yellows.
Pkt. (25 seeds), \$.15; oz., \$1.00
- §5172. — Dobbie's Frilled Pink. Delicate pink.....Pkt. (10 seeds), \$.25
- §5175. — Don Alvar. Pure lavender.....Pkt. (10 seeds), \$.30; oz., \$5.00
- §5180. — Doris Usher. Cream overlaid deep pink (R Hermosa Pink).
Pkt. (25 seeds), \$.15; oz., \$1.00
- §5200. — Edrom Beauty. Rich orange.....Pkt. (25 seeds), \$.20; oz., \$1.00
- §5205. — Edward Cowdy. Glowing orange scarlet....Pkt. (12 seeds), \$.40
- §5210. — Elfrida Pearson. Pale pink (Rose Pink, suffused White).
Pkt. \$.15; oz., \$.75
- §5215. — Empress Eugenie. White overlaid delicate lavender flaked and striped pale violet.....Pkt. (25 seeds), \$.19; oz., \$1.00
5226. — Faith (New 1917). Pure lavender.....Pkt. (10 seeds), \$.35
- §5227. — Fiery Cross. Scorching fire red.....Pkt. (10 seeds), \$.25
- §5240. — Florence Nightingale. Soft lavender (R Pale Wistaria Violet, slightly suffused white).....Pkt. \$.10; oz., \$.50
5242. — Florence Wright Spencer. Pure White.
Pkt. (25 seeds), \$.15; oz., \$1.00
- §5247. — Giant Cream. Deep cream.....Pkt. (10 seeds), \$.25
- §5250. — Geo. Herbert. Bright rose (true).....Pkt., \$.10; oz., \$.50
- §5257. — Golden Glory. Soft golden orange.....Pkt. (10 seeds), \$.50
- §5265. — Henry Ohn. Rich cream pink.....Pkt. (12 seeds), \$.50
- §5270. — Hercules. The largest and finest delicate pink (R Pale Amaranth, Pink, suffused lighter).....Pkt. (25 seeds), \$.15; oz., \$1.00
- §5273. — Hilary Christie. Salmon orange.....Pkt. (10 seeds), \$.15
5274. — Hope (New 1917). Soft rose.....Pkt. (10 seeds), \$.35
- §5275. — Illuminator. Rose pink, suffused orange.
Pkt. (25 seeds), \$.15; oz., \$1.00
5276. — Ian Hamilton (New 1917). Scarlet cerise...Pkt. (12 seeds), \$.35
- §5278. — Improved Bertrand Deal. Soft rosy lilac (R Rose Purple).
Pkt. (25 seeds), \$.10; oz., \$1.00
- §5290. — Irish Belle. Lilac-mauve, distinct, Pkt. (25 seeds), \$.10; oz., \$1.00
- §5296. — Jean Ireland. Creamy buff.....Pkt. (10 seeds), \$.25

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5297. — J. B. Lowe (New 1917). Orange crimson, flushed palest pink.
Pkt. (12 seeds), \$.35
5302. — John Porter (New 1917). Orange, shaded salmon.
Pkt. (12 seeds), \$.35
- §5310. — King Edward Spencer. Deep rich crimson...Pkt., \$.10; oz., \$.50
- §5315. — King White. Purest white.....Pkt. (25 seeds), \$.20; oz., \$2.00
- §5316. — King Manoel. Maroon shaded violet (R Maroon).
Pkt. (25 seeds), \$.25; oz., \$2.50
- §5317. — Lady Evelyn Eyre. Pale pink, flushed salmon; one of the largest pink Sweet Peas and of a lovely color..Pkt. (25 seeds), \$.20; oz., \$2.00
5318. — Lady Fisher (New 1917). Blush pink on cream ground.
Pkt. (10 seeds), \$.35
- §5319. — Lady Eveline. Rosy mauve.....Pkt. (10 seeds), \$.35
- §5320. — Lillian. Charming pale pink, flushed buff (R Hermosa Pink).
Pkt. (25 seeds), \$.25
5321. — Lavender Geo. Herbert. Delicate lavender...Pkt. \$.10; oz., \$.50
- §5322. — Leige. Pure white.....Pkt. (5 seeds), \$.40
5323. — Lady Rosa (New 1917). A brilliant rose pink standard and pale pink wings on a cream ground.....Pkt. (10 seeds), \$.35
5324. — Leslie Imber. A pinkish lilac standard, and electric blue wings.
Pkt. (25 seeds), \$.25; oz., \$1.50
- §5325. — Lord Fisher. Rich red maroon.....Pkt. (15 seeds), \$.50
5330. — Loyalty Spencer. A fine blue flaked variety on white ground: very strong grower, generally four flowers on a stem...Pkt., \$.15; oz., \$1.00
- , §5340. — Margaret Atlee. Warm salmon pink (R Pale Amaranth Pink, suffused lighter)Pkt. (25 seeds), \$.15; oz., \$1.00
- §5345. — Margaret Fife. Aubrietia blue.....Pkt. (12 seeds), \$.50
- §5350. — Margaret Madison. Clear sky-blue (R Pallid Bluish Violet).
Pkt. (25 seeds), \$.15
- §5353. — Marks Tey. Standard rosy maroon, wings bluish mauve (R Deep Mauve)Pkt. (25 seeds), \$.15; oz., \$1.00
- §5364. — Maude Holmes. Sunproof Crimson (R Pomegranate Purple).
Pkt. (25 seeds), \$.10; oz., \$1.00
- §5370. — May Campbell. Cream marbled crimson....Pkt. (25 seeds), \$.15
- §5390. — Mrs. Cuthbertson. Standard clear rose pink, wings white.
Pkt. (25 seeds), \$.15
- §5400. — Mrs. C. W. Breadmore. Cream, edged deep pink.
Pkt., \$.10; oz., \$.50
5426. — Mrs. E. S. McEuen (New 1917). Deep rose pink on a cream groundPkt. (15 seeds), \$.25
- §5450. — Mrs. Hugh Dickson. Cream and pink (R Hermosa Pink, suffused creamy White)Pkt., \$.10; oz., \$.50

Sweet Pea Talks

SWEET PEA PLANTS

(Grown in Pots)

FOR PLANTING OUT IN THE GARDEN

In order to make it possible for all to try the wonderful new method of growing Sweet Peas as recommended by us, we will furnish plants grown in special "K. & S. Co. Seed Raiser" pots from our celebrated seeds.

Last year we offered SWEET PEA PLANTS for the first time merely as an experiment, and our sale for these met with such a demand, that we did not have enough to fill one-half of our orders. Customers who purchased these plants were so pleased with results received, that it has inspired us to go into this more extensively.

We can now furnish the following varieties:

KING WHITE—PURE WHITE
COUNTESS SPENCER*—DELICATE PINK
BARBARA—ORANGE SALMON
DOBBIES' CREAM—PURE YELLOW
SCARLET EMPEROR—DEEP SCARLET
MRS. W. J. UNWIN—WHITE-FLAKED ORANGE
ASTA OHN SPENCER—DELICATE LAVENDER
NUBIAN—MAROON
ROYAL PURPLE—PURPLE
IRISH BELLE—MAUVE
LESLIE IMBER—PINKISH LILAC
ORCHID—LAVENDER PINK

Dozen—75c

per 100—\$5.00

Please give exact date for shipping when ordering.

Delivery about March 15th.

Please note that the plants should be placed six inches apart.

Knight & Struck Company

BETTER THAN THE BEST

THE "K. & S. CO." SEED RAISER

SPECIALLY INTRODUCED FOR THE CULTIVATION OF SWEET PEAS

These unique Seed Raisers are the invention of a well-known amateur gardener, who, finding them so advantageous to use, has, at the request of many of his friends, put them upon the market.

The whole idea of these seed raisers is to enable the gardener to grow a much larger number of seeds in a much smaller space, and under better conditions than he can do with the old-fashioned earthen pot.

The seed raiser is collapsible and made of cardboard, absolutely free from any injurious acids. When not in use it can be folded flat, and when wanted for use is opened, the flap at the bottom keeping it square. Each raiser is $1\frac{3}{8}$ inches across, and $4\frac{1}{2}$ inches deep, and forty-eight of these seed raisers exactly fit into a wooden box, which forms the whole outfit. Thus, in one wooden box, which has a hinged side, are forty-eight distinct sections, which are illustrated in Figure 2.

Undoubtedly, the greatest use of the "K. & S. Co." Collapsible Seed Raiser is for growing Sweet Peas, or such seeds as require to be brought on in a hot or cool frame, before being planted out.

Take the Sweet Pea as an example. One wooden box is fitted up with forty-eight seed raisers (Fig. 2), and these seed raisers can be filled with a good turfy loam at the same time to within $\frac{3}{4}$ inch of the surface. Then the grower can insert the seed, one into each of the sections, putting them in rows of six, twelve, or more of one variety; or if he be raising a large quantity, then forty-eight of the same variety in one completed box, filled up with fine soil to within $\frac{1}{4}$ inch of the top, and the box complete is ready for the frame. The great thing is to see that the soil is well pressed down in the seed raisers.

The advantage of this principle of growing Sweet Peas is very obvious. The trouble of labelling is almost entirely done away with; one small label numbered to correspond with the number of the seed in the catalogue at the top of each row is all that is required for identification purposes.

Then in each of the seed raisers the root action is self-contained and the growth downwards. It is impossible for the roots to become pot bound, as they will work their way through the cardboard, as is shown in Figure 1. Owing to the raisers fitting quite closely side by side, each seed is kept moist, as there is no circulation of air round the pots to dry and retard them, and they are also protected against the frost in the same way, and, as the young seedlings come up, they are practically immune from the attacks of slugs, as these pests cannot get at the boxes.



Fig. 1

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A further advantage is in the economy in cost and in space necessary for growing the seedlings. Imagine what economy of space the use of these seed raisers means to a grower who wishes to raise only a couple of hundred seeds, or even two thousand, while the difference in the cost of these pots and earthenware pots is obvious.

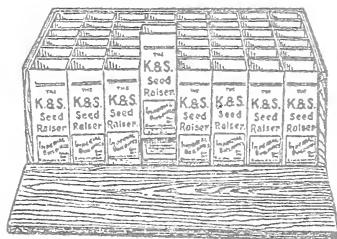


Fig. 2

But the greatest advantage of all in the use of the "K. & S. Co." Seed Raiser comes at the time of planting out. It is well known that under ordinary conditions of culture in pots or boxes, when the seedlings are separated for planting out, the roots are found to be interlaced, and there must be a certain amount of tearing of the fibres, while much of the soil is shaken off, and the plants themselves, owing to this disturbance, receive a great setback. With this unique seed raiser, there is absolutely no disturbance of the roots at all, or of the soil round the roots. Owing to the moisture the cardboard is practically perished at the time the seedling is ready for planting out; the only thing necessary is to peel off the cardboard, and this is done without in any way retarding the root action. The advantage of this is that the plant is not in any way checked in its growth; it does not flag; and is able at once to resist any violent change of temperature without the possibility of being cut down.

PRICES

Wooden box with seed raisers, complete.....	\$1.50
Six wooden boxes with seed raisers, complete.....	7.50
Refills of the collapsible seed pots, per set of 48.....	1.00
Extra boxes50

SWEET PEA FOOD

FARMOGERM

What is FARMOGERM—a preparation for treating the seeds, to supply them with the necessary bacteria, enabling them more readily to obtain the nitrogen necessary for their fullest development. The results are—larger, handsomer, more fragrant blossoms and, better yet, more of them. Excellent for Sweet Peas.

Knight & Struck Company

Bottle Size No. 1. Sufficient for 200 to 500 feet of a row..... \$.25

Bottle Size No. 2. Sufficient for 500 to 1,000 feet of a row..... .50

Correy's Sweet Pea Manure. The recognized superior fertilizer to produce the finest of Sweet Pea flowers.

1 lb., \$.30; 2 lbs., \$.50; 5 lbs., \$1.00; 10 lbs., \$1.50; 25 lbs., \$2.50; 50 lbs., \$4.50; 100 lbs., \$8.00.

Clay's Fertilizer. An English preparation, which is recognized the world over as the greatest flower food ever known. Every professional gardener in America uses it. It will help you to make the most of your flowers and if you want to exhibit blooms this will help you to win the blue ribbon. While it may appear expensive, it is really the most economical plant food to use, requiring a very little only to each plant. Always apply it dry and sparingly, work it into the ground, and then wash it in. It is better to apply a little often than a lot at one time. To accommodate those who have only small gardens we induced the manufacturer to put it up in small containers.

3 lbs., \$.50; 7 lbs., \$.75; 14 lbs., \$1.25; 28 lbs., \$2.25; 56 lbs., \$4.00; 112 lbs., \$7.00.

Pulverized Sheep Manure. Nothing better for general use, even considered better than stable manure. May be spaded into the ground or applied as a top dressing. Use it liberally. Also excellent as a liquid food.

5 lbs., \$.25; 10 lbs., \$.40; 25 lbs., \$.75; 100 lbs., \$2.00; ton, \$36.00

Pure Ground Bone. Excellent for Roses, shrubs and Sweet Peas. Our quality is not usually sold 5 lbs., \$.35; 10 lbs., \$.60; 25 lbs., \$1.35; 100 lbs., \$3.50

Have you received our 1917 Garden Book? Let us know. We will gladly mail you a copy.